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Preface

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Preface

Gliomas are the most common intrinsic brain tumors. They can occur in any age group and any location of the central nervous system and cause major morbidity and mortality. Glioblastoma, the most common variant of glioma, is among the most lethal cancers across oncology. In the clinic, advances in neurosurgical techniques, increased safety and tolerability of radiotherapy and advanced neuroimaging have improved care and outcome on a population level in recent years. Although therapeutic measures for most gliomas are still not curative today, major advances in the understanding of the pathogenesis and molecular genetic alterations characterizing gliomas have had a major impact on the development of novel experimental treatments.

We have joined forces in co-editing the present volume of the Handbook of Clinical Neurology as representatives of the neurosurgery and medical neuro-oncology approaches to gliomas. Our goal is to provide an update on all relevant areas of the disease *glioma*, thus providing a comprehensive reference.

All chapters are written by international leaders in the field, partnering experts from the US/Canada and Europe across the entire volume, often coauthored by junior members of our research community. General chapters on diagnosis and treatment of gliomas are followed by a second part of general chapters addressing complications and symptomatic management. Finally, the third part includes disease specific chapters on the various types of glioma. We are grateful to all authors for devoting their time and effort to make this a unique source of knowledge in one of the most active research fields in neuro-oncology.

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